



# Key Messages

- An Arctic cold front will move into Southeast Texas during the day on Thursday. **Temperatures will rapidly drop behind the front.** By sunset, readings should be at or below freezing north of Interstate 10, with coastal locations following shortly thereafter.
- The combination of winds and low temperatures will combine to create ***dangerously low wind chill indices***. Danger of hypothermia, burst water pipes, etc.
- ***Long duration freeze***. Will remain *below freezing* for many locations from Thursday night into Saturday (~36 hours or more). Another cold, below freezing night Saturday night then gradual warming.



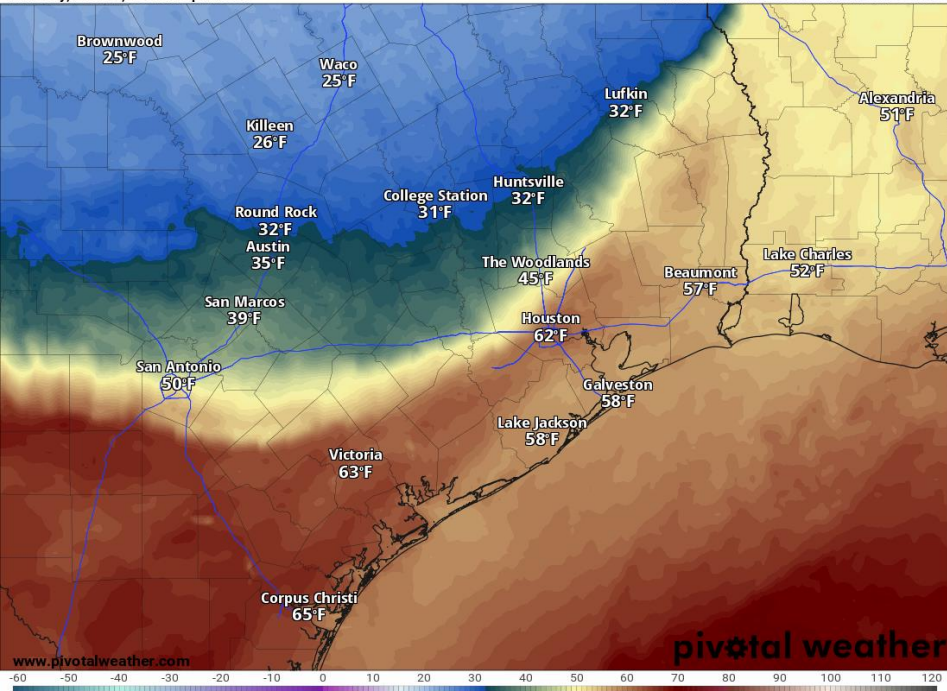
# Temperature Drop

## Model Forecast for 3 pm Thursday

2 m AGL Temperature (°F)

Thursday, Dec. 22, 2022 at 3 p.m. CST

Init: Tue 2022-12-20 12z NAM 3km CONUS

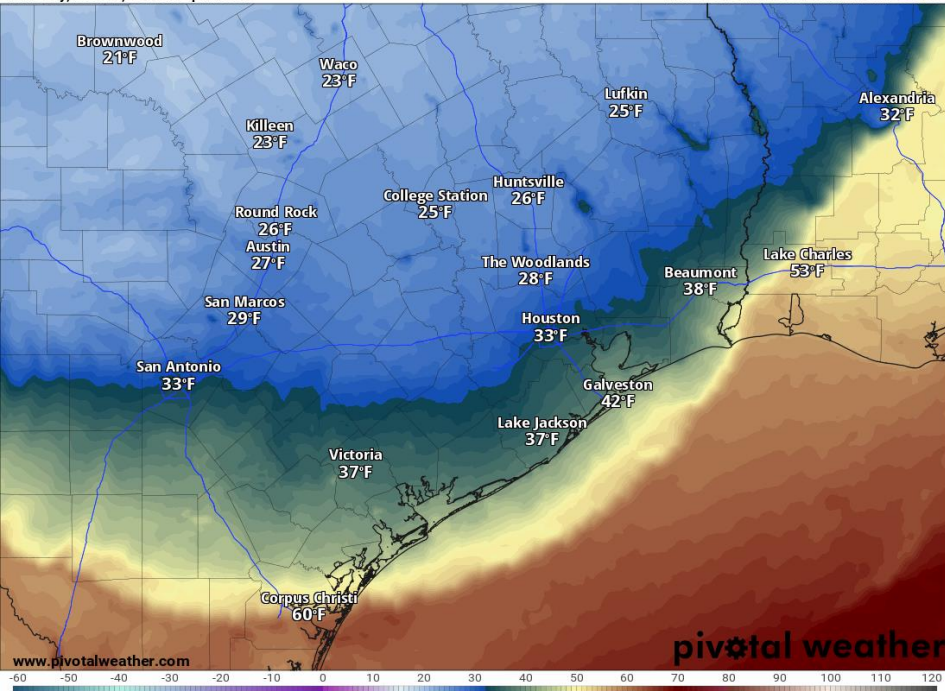


## Model Forecast for 6 pm Thursday

2 m AGL Temperature (°F)

Thursday, Dec. 22, 2022 at 6 p.m. CST

Init: Tue 2022-12-20 12z NAM 3km CONUS



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# Very Cold Weather On Its Way

## Minimum Temperature Forecast

	12/22 Thu			12/23 Fri								12/24 Sat								12/25 Sun			Minimum
	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	
Angleton	59	41	31	26	21	20	22	28	29	24	23	22	22	22	27	35	35	29	27	25	24	25	20
Bay City	58	41	31	26	20	20	23	28	30	25	23	22	21	21	26	35	36	31	27	26	25	25	20
Baytown	57	39	29	24	19	18	21	27	29	25	23	22	21	21	26	34	35	30	28	26	25	26	18
Brenham	42	29	24	20	15	15	18	26	28	24	21	20	19	19	26	33	34	29	25	23	22	22	15
College Station	36	27	23	19	14	14	16	23	25	23	21	20	19	19	24	31	32	26	24	22	21	22	14
Columbus	51	33	27	23	17	16	20	27	28	24	22	21	20	20	27	34	35	30	26	24	22	23	16
Conroe	47	31	24	20	15	15	18	26	26	22	20	19	19	19	25	33	34	29	25	24	22	23	15
El Campo	57	39	29	25	20	19	21	27	30	26	24	23	22	22	26	34	36	31	27	26	25	25	19
Galveston	62	47	37	32	26	24	25	28	32	30	29	28	27	27	29	33	36	38	36	34	34	34	24
Houston	54	39	28	23	19	18	20	26	29	25	23	23	22	22	26	34	36	31	28	27	25	26	18
Huntsville	38	26	21	17	12	12	16	24	25	22	20	19	18	18	24	32	32	26	24	22	19	20	12
Katy	52	35	27	22	17	17	20	26	28	24	22	22	20	20	26	35	35	30	26	25	23	24	17
League City	58	41	30	25	20	20	23	28	29	26	24	24	23	23	28	34	36	33	30	29	27	28	20
Livingston	47	30	23	18	13	13	17	23	27	21	19	18	18	18	23	31	32	27	24	22	20	21	13

\* Table values in \*F

\*\*Created: 3 pm CST Tue 12/20/2022

\*\*\*Values are minimums over the period beginning at the time shown.

## Precautions to Take With the Cold Temps



COVER ALL  
EXPOSED SKIN



DRESS FOR  
COLD



CHECK ON  
ELDERLY



BRING PETS  
INDOORS



LIMIT TIME  
SPENT IN COLD



LET FAUCETS  
DRIP SLOWLY



NO FLAMMABLES  
BY SPACE HEATERS



HAVE WORKING  
CO DETECTORS



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# Very Cold Weather On Its Way

## Minimum Wind Chill Forecast

	12/22	12/23								12/24								12/25						
	Thu	Fri								Sat								Sun						Minimum
	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm		
Angleton	16	9	3	2	6	13	16	12	10	10	8	8	16	26	29	23	20	17	14	15	23	34		2
Bay City	13	8	3	2	6	14	17	13	11	12	10	9	16	28	28	21	19	17	15	15	23	34		2
Baytown	14	6	0	0	3	12	15	11	8	7	7	7	13	24	28	21	19	18	16	16	23	34		0
Brenham	5	0	-3	-3	1	9	13	11	10	8	8	8	13	25	28	22	18	17	15	16	23	35		-3
College Station	3	-2	-6	-6	-2	6	12	10	9	9	8	8	14	24	27	21	18	17	15	15	21	33		-6
Columbus	6	1	-2	-2	4	13	17	14	11	10	10	9	16	27	28	24	19	18	16	16	23	35		-2
Conroe	8	2	-2	-1	2	13	16	13	9	9	8	8	15	25	28	23	19	18	16	16	23	35		-2
El Campo	12	7	2	1	5	11	17	14	13	11	10	11	15	25	27	21	19	17	16	17	22	34		1
Galveston	21	12	6	4	5	10	15	16	14	13	13	13	16	22	27	29	26	25	24	23	25	30		4
Houston	13	7	2	2	4	12	15	13	12	12	10	11	17	25	29	24	20	19	17	17	22	34		2
Huntsville	4	-2	-7	-7	0	7	13	11	9	8	5	6	13	25	29	24	20	18	15	15	23	34		-7
Katy	10	5	0	-1	4	12	16	12	11	9	8	9	14	25	26	21	18	17	16	16	23	36		-1
League City	16	8	2	2	5	12	15	12	11	12	9	10	18	27	31	27	24	22	19	19	25	34		2
Livingston	4	-1	-5	-5	0	9	13	9	7	6	4	4	11	24	27	19	16	15	15	15	22	35		-5

\* Table values in °F

\*\*Created: 6 am CST Mon 12/19/2022

\*\*\*Values are minimums over the period beginning at the time shown.

## Precautions to Take With the Cold Temps



COVER ALL  
EXPOSED SKIN



DRESS FOR  
COLD



CHECK ON  
ELDERLY



BRING PETS  
INDOORS



LIMIT TIME  
SPENT IN COLD



LET FAUCETS  
DRIP SLOWLY



NO FLAMMABLES  
BY SPACE HEATERS

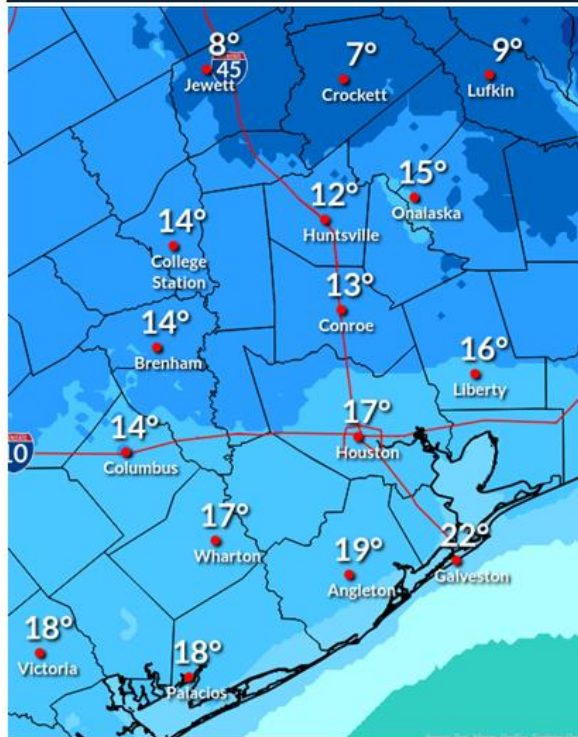


HAVE WORKING  
CO DETECTORS

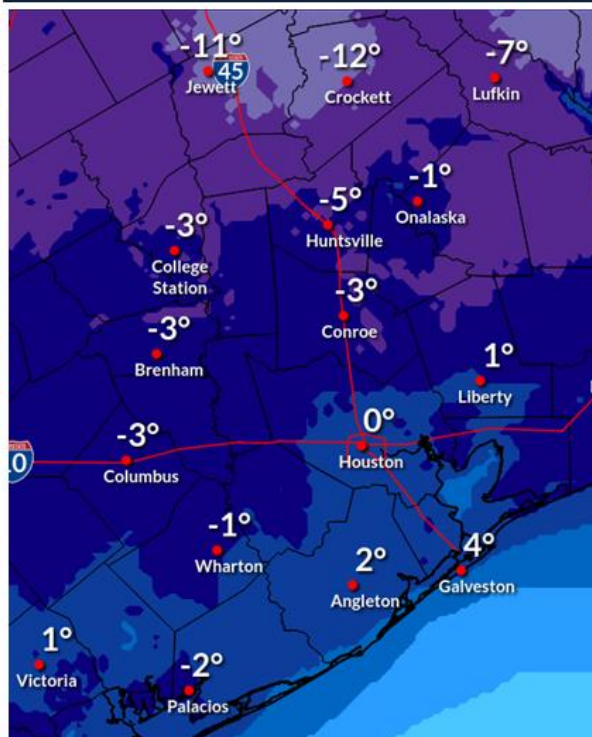


# Dangerous Cold Thursday Night

## Thursday Night's Lows



## Thursday Night's Wind Chill



## WINTER SAFETY



COVER ALL  
EXPOSED SKIN



DRESS FOR  
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ELDERLY



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INDOORS



LIMIT TIME  
SPENT IN COLD



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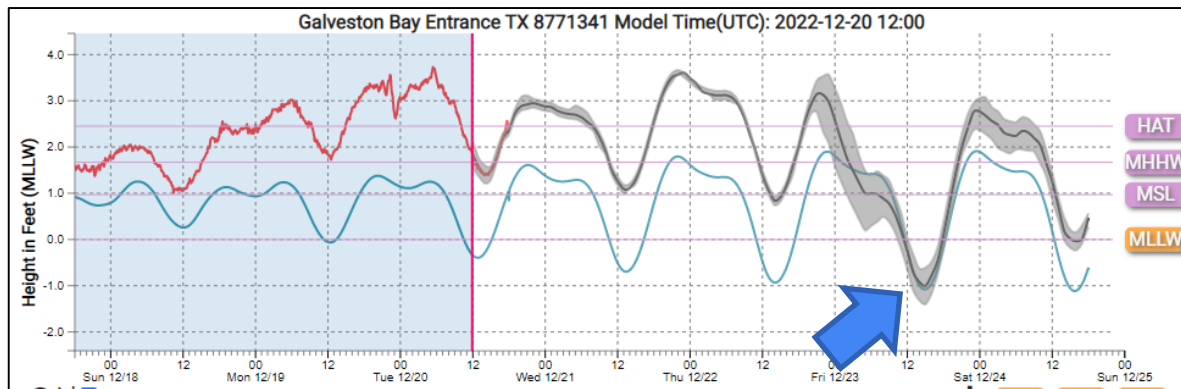


HAVE WORKING  
CO DETECTORS



# Marine: Key Messages

- An Arctic cold front will move into the waters Thursday afternoon and evening. **Gale conditions likely with gusts to storm force possible** behind the front.
  - North winds increase to **30-35kt with gusts to 50kt**...especially offshore and elevated structures.
  - Seas build to **10-15 feet**.
  - **Low water conditions** develop Thursday night into Friday morning. May persist into Saturday night or Sunday...especially near low tide times.



- Winds/seas less extreme toward Friday night with further improvement Saturday into Sunday.